



# License Renewal Process Public Information Session

## Millstone Power Station

Nuclear Regulatory Commission  
February 17, 2004



## Purpose of Today's Meeting

- Describe the NRC's license renewal process
- Describe the safety review process
- Explain the public participation process
- Describe how to get additional information



## NRC Regulations

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- Atomic Energy Act of 1954
- Title 10 of the Code of Federal Regulations Part 54

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## Millstone Power Station Units 2 and 3 License Renewal

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- Current operating licenses expire
  - Unit 2 – July 31, 2015
  - Unit 3 – November 25, 2025
- Application dated January 20, 2004
- Application requests authorization to operate units for an additional 20 years

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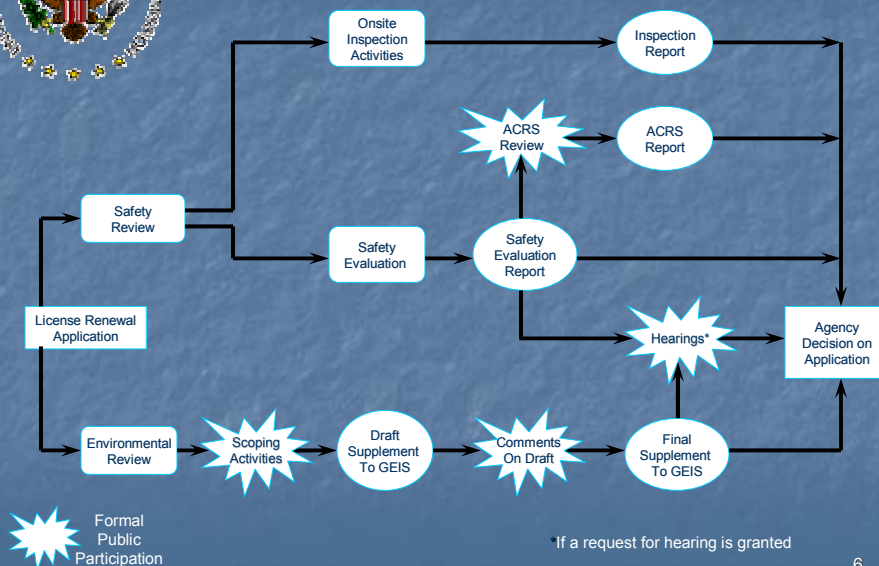
# NRC's License Renewal Review

- Safety Review
- Environmental Review
- Plant Inspections
- Advisory Committee on Reactor Safeguards (ACRS)

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## License Renewal Process



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## Principles of License Renewal

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- Regulatory process is adequate for ensuring safety of operating plants
- Current licensing basis is adequate and carries forward into period of extended operation

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## Safety Review Process

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- Technical Evaluation
  - Integrated Plant Assessment
  - Audit Programs
- On-Site Plant Inspections
  - Scoping and Screening Inspection
  - Aging Management Program Inspection

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## Technical Evaluation

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- Focuses on Passive, Long-Lived, Structures and Components
- Evaluates effectiveness of aging management programs
- Analyzes Time-Limited Aging Effects

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## Scope of License Renewal Rule

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- Safety related systems, structures, and components relied upon to:
  - Maintain integrity of the reactor coolant pressure boundary
  - Ensure capability to shut down and maintain a safe shutdown condition
  - Prevent or mitigate offsite exposures

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## Scope of License Renewal Rule (Cont'd)

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- Non-safety related systems, structures, and components whose failure could prevent satisfactory accomplishment of safety related functions, as outlined above.
- Systems, structures, and components relied upon for compliance with the following regulations: Fire protection, Environmental qualification, Pressurized thermal shock, Anticipated transients without scram, and Station Blackout

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## Safety Evaluation Report

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- Documents the basis and conclusions of the staff's Safety Review
- ACRS provides independent review of the Safety Evaluation Report

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## Guidance Documents

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- Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants (NUREG-1800)
- Generic Aging Lessons Learned Report, GALL (NUREG-1801)
- Regulatory Guide 1.188, Standard Format and Content for Applications to Renew Nuclear Power Plant Operating Licenses

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## Ten Attributes for Acceptable Aging Management Programs

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|----------------------------------|------------------------|
| ▪ SCOPE                          | ▪ ACCEPTANCE CRITERIA  |
| ▪ PREVENTIVE ACTION              | ▪ CORRECTIVE ACTIONS   |
| ▪ PARAMETERS MONITORED/INSPECTED | ▪ CONFIRMATION PROCESS |
| ▪ AGING EFFECT                   | ▪ ADMIN CONTROLS       |
| ▪ MONITORING AND TRENDING        | ▪ OPERATING EXPERIENCE |

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## Opportunities for Public Participation

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- 60-day opportunity to request a hearing
- Environmental Scoping Public Meeting
- Draft Environmental Impact Statement Public Meeting
- ACRS Meetings
- Public Meetings on Safety Review

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## Typical Review Schedule

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|---|------------|
| ➤ Receive License Renewal Application         | Month 0    |
| ➤ Conduct Public Information Session          | Month 1    |
| ➤ Publish Notice of Opportunity for Hearing   | Month 2    |
| ➤ Conduct Environmental Scoping Meeting       | Month 4    |
| ➤ Conduct Draft SEIS Public Meeting           | Month 12.5 |
| ➤ Complete ACRS Review                        | Month 20.5 |
| ➤ Make Decision on Application (with Hearing) | Month 30   |

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## Point of Contact

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- Agency point of contact:  
Johnny Eads  
1-800-397-4209
- Documents are located at the Waterford Public Library in Waterford, Connecticut and in the Three Rivers Community College Library, Thames River Campus in Norwich, Connecticut
- Documents can also be viewed at the NRC's Web site ([www.nrc.gov](http://www.nrc.gov))

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